

Technical Management Team

1999 WATER MANAGEMENT PLAN For The Federal Columbia River Power System

January 7, 1999~~November 25, 1998~~

DRAFT OUTLINES

I. Introduction

Same as in 1998

II. Water Supply Forecasts

Update last year's material

III. **Fall and** Winter Operations (~~September~~**October** 1998 - March 1999)

Reservoir Refill: update last year's material

Reservoir and Reservoir-Related Operations (mention Bonneville 125)

IV. General Spring/Summer Water Allocation Guidelines

V. Spring Operations (April-June)

Spring Flow Objectives at Lower Granite and McNary

Spring Flow Objective for the Mid-Columbia River

Snake Reservoirs at MOP

Other Reservoir Spring Operation

Canadian Operations (T & NT)

Spring Spill for fish-passage

VI. Summer Operations (July-August)

Summer Flow Objective at Lower Granite and McNary

Summer Reservoir Interim Draft Limits

Upper Snake River Reservoir Operation

Other Summer Reservoir Operations

	<u>Canadian Operations (T & NT)</u>
	<u>Summer Spill for-fish-passage</u>
	VII. Outlook for Meeting Flow Objectives in 1998
	<u>Summary Hydrographs at Lower Granite and McNary</u>
	VIII. Upper Snake River Operations
	IX. Brownlee Operations
	X. 1998 Canadian winter/spring/summer operations
	XI. NTS Operation during the Fish Passage Season
	VIII XII. Water temperature
	IX XIII. Total Dissolved Gas Management
	X XIV. Transportation
	XV. Other TMT-related Items
	<u>Summary Hydrographs at Lower Granite and McNary</u>
	<u>XI OPERATIONS FOR RESEARCH AND OTHER ACTIVITIES</u>
	<u>XII RECURRING ISSUES & POSSIBLE OPTIONS FOR RESOLUTION</u>
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APPENDICES

- APPENDIX 1: 1999 Total Dissolved Gas Management Plan
- APPENDIX 2: Emergency Protocols
- APPENDIX 3: BPA's Load Shaping Guidelines for Operating Turbines Outside 1% Peak Efficiency
- APPENDIX 4: TMT Guidelines
- APPENDIX 5: Northwest Power Pool 1999 Maintenance Schedule Outages (G:\rcc\tmt98\wmp-app5.doc)